

Converting Colors

$Yxy(94.2040, 0.3161, 0.4197)$

Have a look what the booklet for
Yxy(94.2040, 0.3161, 0.4197)
contains.

Yxy(86.8092, 0.3174, 0.4092)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(86.8092, 0.3174, 0.4092)

Conversions

Conversions Part 1

Format	Color
Hex	C5FFB7
RGB	197, 255, 183
RGB Percent	77%, 100%, 72%
CMY	0.2274, 0.0000, 0.2824
CMYK	0.23, 0.00, 0.28, 0.00
HSL	108°, 100%, 86%
HSV	108°, 28%, 100%
XYZ	67.3344, 86.8092, 58.0001
YIQ	229.4500, -11.4560, -34.6880

Conversions

Conversions Part 2

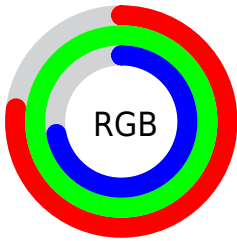
Format	Color
RYB	183, 255, 241
Decimal	12976055
CIELab	94.66, -31.24, 28.66
CIELCh	95, 42.399, 137.467
Yxy	86.8092, 0.3174, 0.4092
Android (android.graphics.Color)	4291166135 (0xFFC5FFB7)
YUV	229.4500, -22.8998, -28.4586
Hunter-Lab	93.1715, -34.0492, 28.3114

Details

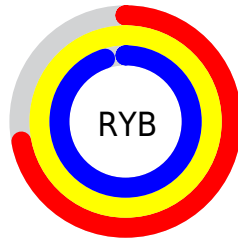
The Yxy color **86.8092, 0.3174, 0.4092** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.7798, 0.3052, 0.2561**, and the grayscale version is **78.8831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0120, 0.3220, 0.3444**, and **47.7507, 0.3170, 0.4279** is the 20% darker color. If you saturate the color by 10%, you get **83.2570, 0.3183, 0.4424**, and if you desaturate by 10%, it is **90.9339, 0.3160, 0.3782**.

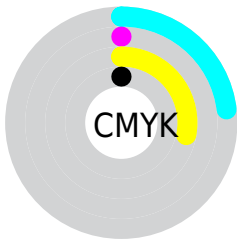
Distribution



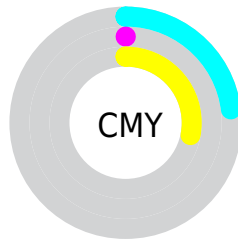
- Red (77%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (95%)



- Cyan (23%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8092, 0.3174, 0.4092 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 86.8092, 0.3174, 0.4092 by changing the saturation by 10% instead.

 86.8092, 0.3174,
0.4092

 86.8092, 0.3174,
0.4092


517.5957, 0.3163,
0.3716

 65.3373, 0.3174,
0.4179


 142.8982, 0.3172,
0.3961

 47.7347, 0.3173,
0.4286


178.2840, 0.3171,
0.3910

 33.6168, 0.3169,
0.4422


219.0767, 0.3169,
0.3866

 22.5994, 0.3160,
0.4600

265.6606, 0.3168,
0.3828

 14.2980, 0.3141,
0.4842

318.4200, 0.3167,
0.3795

 8.3282, 0.3102,
0.5186

377.7394, 0.3165,

 4.3057, 0.3010,

0.3766

0.5707

444.0032, 0.3164,
0.3739

■ 1.8460, 0.2969,
0.7031

■ 0.5156, 0.0000,
1.0000

■ 86.8092, 0.3174,
0.4092

■ 86.8092, 0.3174,
0.4092

■ 83.2570, 0.3183,
0.4424

■ 90.9339, 0.3160,
0.3782

■ 80.2480, 0.3185,
0.4766

■ 95.6512, 0.3143,
0.3500

■ 77.7557, 0.3178,
0.5101

100.0000, 0.3127,
0.3290

■ 75.7503, 0.3162,
0.5406

■ 74.1983, 0.3135,
0.5658

■ 73.0618, 0.3101,
0.5838

■ 72.2941, 0.3063,
0.5941

■ 72.1894, 0.3057,
0.5955

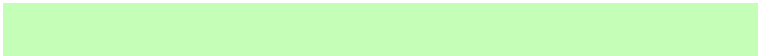
Harmonies

Analogous

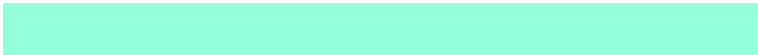
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8092, 0.3638, 0.4151



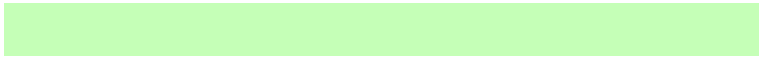
86.8092, 0.3174, 0.4092



86.8092, 0.2719, 0.3756

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8092, 0.3174, 0.4092



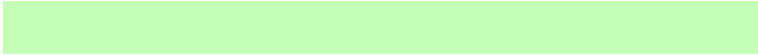
86.8092, 0.2323, 0.2591



86.8092, 0.3916, 0.3227

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



86.8092, 0.3174, 0.4092



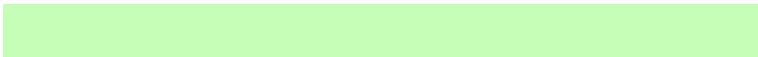
59.7798, 0.3052, 0.2561

Split Complementary

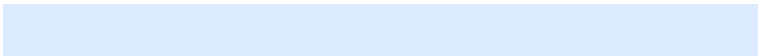
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8092, 0.3512, 0.2878



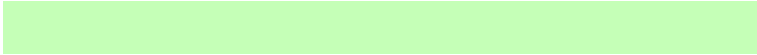
86.8092, 0.3174, 0.4092



86.8092, 0.2593, 0.2521

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.8092, 0.3174, 0.4092



86.8092, 0.2251, 0.2853



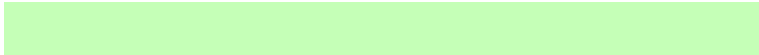
86.8092, 0.3020, 0.2627



86.8092, 0.4089, 0.3611

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.8092, 0.3174, 0.4092



86.8092, 0.2479, 0.3440



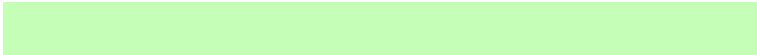
86.8092, 0.3020, 0.2627



86.8092, 0.3801, 0.3104

Sweetspot

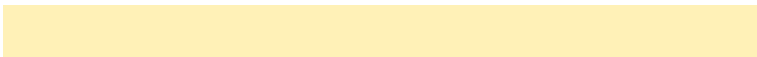
The Sweet Spot groups the original color and five complimentary colors.



86.8105, 0.3174, 0.4092



95.7714, 0.3142, 0.3493



87.3514, 0.3592, 0.3868



20.3383, 0.3145, 0.3534



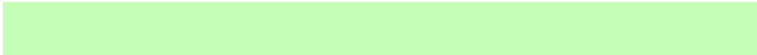
0.0000, 0.0000, 0.0000



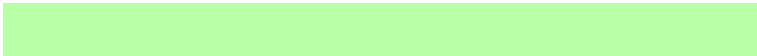
21.4041, 0.3127, 0.3290

Same Dimension

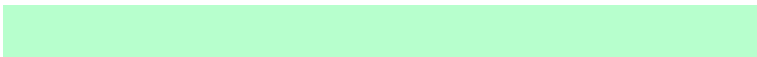
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8105, 0.3174, 0.4092



84.6954, 0.3180, 0.4281



85.9742, 0.2973, 0.3858



20.3383, 0.3145, 0.3534



37.7685, 0.3065, 0.5949



3.7198, 0.3133, 0.5895

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



59.7798, 0.3052, 0.2561



53.5336, 0.3032, 0.2408



61.0289, 0.3326, 0.2783



18.1112, 0.3107, 0.3054



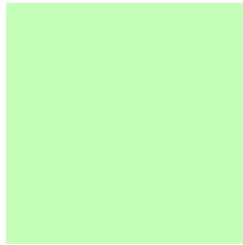
10.6435, 0.2719, 0.1272



1.0799, 0.2778, 0.1304

Previews

White Background



This preview shows how the Yxy color 86.8092, 0.3174, 0.4092 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 86.8092, 0.3174, 0.4092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

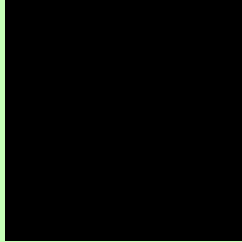
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8092, 0.3174, 0.4092

Background



This preview shows how black text looks on a background with the Yxy color 86.8092, 0.3174, 0.4092.

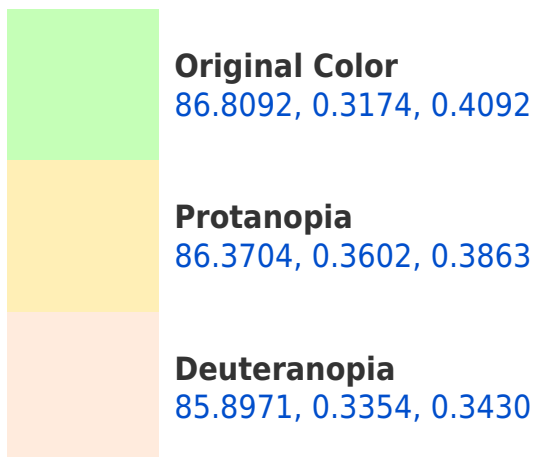


This preview shows how white text looks on a background with the Yxy color 86.8092, 0.3174, 0.4092.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

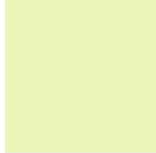
86.2539, 0.2925, 0.3157

Trichromacy



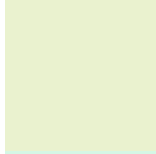
Original Color

86.8092, 0.3174, 0.4092



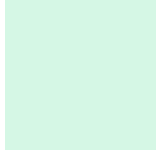
Protanomaly

86.1746, 0.3439, 0.3950



Deuteranomaly

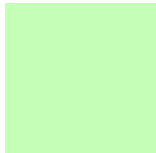
85.5017, 0.3289, 0.3655



Tritanomaly

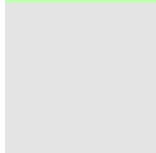
86.3248, 0.3018, 0.3481

Monochromacy



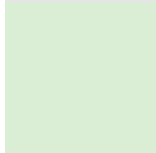
Original Color

86.8092, 0.3174, 0.4092



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.6543, 0.3147, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8092, 0.3174, 0.4092 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(197, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 183)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(197, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 183) }
```

Border

The CSS property to change the border of an element to Yxy 86.8092, 0.3174, 0.4092 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 255, 183) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(197, 255, 183) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(197, 255, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 255, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 255, 183); box-shadow:4px 4px 4px 4px rgb(197, 255, 183) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8092, 0.3174, 0.4092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 183) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(197,  
255, 183) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor